

Preface

This volume contains the proceedings of the International Meeting on Computational Intelligence Methods for Bioinformatics and Biostatistics (CIBB 2013), which was in its tenth edition this year. While many past editions were organized in Italy, from last year when the conference took place at the Methodist Research Institute, Houston (USA), the conference started an internationalization process. It coincided with a further enlargement of the spectrum of the scientific domains covered.

Indeed, the main scope of the CIBB meeting series is to provide a forum open to researchers from different disciplines to present and discuss problems concerning computational techniques in bioinformatics, systems biology, and medical and health informatics with a particular focus on neural networks, machine learning, fuzzy logic, and evolutionary computation methods.

This year CIBB was co-located and followed the PRIB (Pattern Recognition In Bioinformatics) conference and there were many authors who contributed to both conferences. As organizers of CIBB we would like to thank all the contributors and organizers of PRIB. There was also a common day between the two conferences. We hope that this was an occasion for new scientific collaborations and exchanges. Many thanks also go to the invited speakers: Sylvain Sené (Aix-Marseille Université, France) Anne Siegel (IRISA CNRS and Inria Rennes, France) and Ernst Wit (University of Groningen, The Netherlands) for their excellent talks.

This year 33 papers were selected for presentation at the conference, and each paper received two reports on average. A further reviewing process took place for the 19 papers that were selected to appear in this volume. The authors are spread over more than ten different countries: Algeria (3), Canada (2), France (18), Islamic Republic of Iran (4), Italy (55), The Netherlands (1), Norway (1), Romania (6), Taiwan (2), Tunisia (2), UK (6), and USA (7).

The editors would like to thank all the Program Committee members and the external reviewers both of the conference and post-conference version of the papers for their valuable work. We are also indebted to the chairs of the very interesting and successful special sessions (“Knowledge-Based Medicine” and “Data Integration and Analysis in Omic-Science”), which attracted even more contributions and attention.

A big thanks also to the munificent sponsors, and in particular to Nice Sophia Antipolis University, which made this event possible. And last but not least, the editors would also like to thank all the authors for the high quality of the papers they contributed and warmly invite them to submit their work to the next edition that will take place in Cambridge.

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